February 12, 1962

**Aviation Week** PILOT REPORT:

AW 650 Argosy

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### NEWSLETTER

200-Channel Data System speeds space probes at Lockheed



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### Differences in Proposals

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-- Robert Hotz



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T-16 pt times. Complete dipot evalual for the XC-115 new costs 5126,000, same this two the overland exit of the KC-97 tacker of \*Associate postuctor for USAF Musatomes Inches melo-transmission lensch testem will be selected in competition to be held by Air Fornés. Belliotic Systems Division. New metry lounch motion will be resolable, alone

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Washington Roundup —

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> Dr. Nicholm E. Golovin, who headed the griet NASA-Delenic Department stade group which accommanded the arbital conference technique for the more prodeterm for evaluation studies in NASA's Manuel Space Flight Office

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-Warhauton Staff

### Kennedy Urges Public Comsat Ownership Firm U.S. control of communications satellite one. ntion, each carrier with an expersion

poration proposed; Rcp. Celler praises plan.

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Chance Vaught F8U-1T Begins Flight Tests

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Air Force-NASA Liaison Office Stirs Protests From Army, Navy

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### Boeing Will Change Engine in TFX Bid By Lawy Books

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No Banger Design Changes Seen Parafest, Cital -No shares will be made in the desire of Salar NASA Support recovered to obtain reliableto at the expense of perferencests. Dr. William H

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Political Amelications

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### Systems Command to Formulate Improved Development Process

return for research and development programs through the out of trade-alls (AW Feb. 5, p. 26) For example, on a space severifence m perfections to propose take the venden system and ranger equipment

reduction in price but it night not be solling to accept 75% less pure at year Defense Scortter Robert S. McNo. armor right be willing to gay 10% were in share my recents of Angles. defense research and commercial to dethese might be no possi to garden a experiments to evaluate their effective. ress. Defense research and companyon Officels admit that the mobbies is

These affectals recognise the need for under defense procurements. a change in past propagation to believe updo which companies were reliebled Military Is Blamed For Contunet Waste complance. However, they also recon-Westington - Central Accounting Ciffice, et a senses of reports to Congress. cies from unsuccessful budders that

GAO estimated the Air Force wanted HSS-2 Sets Record rather than owing shape. The opposite extended the Ast Force pull more than New Standy 1985 I belonger last shoot 2 000 toes of some consens by commercial curves under the Military Agestrace Pragam (MAP) GAD sail pass more mode at 1,500 ft. in 4 kg The agrees also said the Ar Force control decree at afficial speed ear way 1994 upt. le a Smess Mild sug p The HS01 now shown for world of the resemptored wider and clumed accords ever 3, 100, 900 and All Page in July, 1995-neetly be-1.000 km corner The speed rate was conducted mades

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Recent GAO reports exted these ad-New warned \$3.2 million >- >---pure parts rather thus getting them GAO and the Navy could have so milities of it had noted others the arrange of that point had perceled outstrading

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GAO and the Air Fester allowed other than under the contrar so-fee a mittake which cost the enversement

1975 and 1999 GAD and the Are agency that there appeared to be on saldted MAP showers to be record legal bons for requesting a refund from

### Vast Cape Expansion Will Start in March By Edward H. Kolous

Cape Casavonii, Fla.-Site develop lights project will be two C-5 yads addition to site development the hold

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tion will present with NASA, since the

consultar of Cal. Ass Cribe, who representi NASA, Li Col. C. A. Michel-land. APACIC legislative langua officer Cut. McClefand said remanest will grow from 20,000 to 20,000 and her from 1,600 to a peak of 5,000 ra Expension here also as softested in AFMTC conventioners which in Franch

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Some feel the direct offert will be round the AMR country. Across for In addition to the obvious cosmo-AMS bears a need to expose core mercal supert facilities. The problem

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## Rocket Ejection Aids in Crash Survival

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Ejection Statistica effectly combutant that even a perfect poten could go wong under cesturing or a print making an excitor in an provide position From July 1, 1960 to Ney 1, 1961 which 107 west made above 1,840 for

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Conneloir CL-41R Will Provide Training in CF-104 Avionics Country CLASS to a service of the Country CLAS weeks at towns which will be embroid for the Sand Country for the Peter or or abouted before in achieve independ order and communications reviews which will be operational as the CS IOI interest Solder also hour produced by Counter. The CL-11 is a soledy-side instructor and studiest account with sometic which which one by used for premary braining of students and fan transition from pitties-powered month to pet menuty (AW Dec. 11, p. 14).

Ionized Cloud Study Presenting tests to contacts foundation of name man-made stouds of ionized particles produced in senting plus carts our behavior for producing selficial

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### British Report Cost Of Blue Steel Program

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Development one of USAF-Dougles

## How Solar's experience with refractory components creates space-age structures

Current weapon systems require structural nerotores. With sold feel maket evenues consutmg at over 6000F and re-entry vehicle compo-2000 to 5000F, materials systems are being taxed to their limits. Significant advances in



problems. This experience has created an inte-

capabilities includes development of turnsten formur and mining techniques. Shore forming and hot disomits. Jonney tunesten by solid state bondon and reactive bearing has been accomplished resulting in unperpetablished made with mable strength in excess of 4000F A surrent oromain cooled rossles for estimate temperature normation. Other research meteots include compatiwith refractory metals, and a unique method

Britatry valueles versure references commofaces. Solar to mordonic on a contract to devalor. re-entry for this commonent, reconstructive of Solar's current canabilities in fabrication

technology for refractory component assembly. Plasma spraying techniques are available for the deposition of any of the refractory metals. as well as the ceramic materials which are difprojects at Solar have included the falirication of party from typerges, 90Th, 10W enterplants and mobileleum allers



For further information about Solar's refractory component experience to materials Dept. 1405. Solar. San Direy 12. California.





### THE EXTRA MEASURE

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Coast Guard Selects S-62 as Replacement

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**News Digest** 

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AMAZON WEEK and SPACE MICHIGURY Palayana 12, 1762

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### AIR TRANSPORT

## Atlantic Airlines Adopt Group Fare Plan

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held this month to counter requests to extend the over covered by the new faces. This instally will racked Europe, the Middle East and Africa, with the furthert eastern point being Being. Vice partidents of all North Adhorse to India, Palattie, Colon, Remeda Nassa and pell-Atlantic points

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## Airlines Differ on Overcapacity Solution

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# Freeway at 30,000 feet

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## FAA to Speed Flow of Part Failure Data

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## FAA-Authorized Overhaul Times for Trunkline Turboiets

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buil	None	1,499 hr. James, 1991	New	1 886 or Jan., 1993	None	1,000 to No., 1961	None
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### House Group Criticizes CAB. Here, booken down by subject, one • Streetsal. The measurement of nec-FAA in Crash of Supplemental

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### 'Visit U.S.A.' Is Spurring Group Tourism thruttle water in their respective offerts

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### From Avco... advances in electronics and ordnance

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## SOME ECONOMIC FACTS

DREAKS, EVEN WITH VISCOUNT PASSENGER LOADS 500 m p.b. cruise speed. As fast as the lastest was

On 150-mile sector break-even point is achieved with prily 30 passengers IET GREEN WITH VISCOUNT EUEL LOADS

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## BRITISH AIRCRAFT CORPORATION

259 JEFFERSON DAVIS RISHWAY ANUMETON VIRGINIA

## AIRLINE OBSERVER

\*Fight tots of de Hwilland Assoult's new faceoest Tridest are being reconsted. It is now firing trace daily and had accumulated 17 flights and 20 hr as of late had work. Control related weeds has been \$5,000. To and barbor eneed so far is 140 bt. indicated account Cheef Test Plant John Conweighers has also tested sovere threat in fight and low speed. \* Assett ANA Australian rematch around sixture has marketed a Victoria

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modition, his remembed so much confusion among smaller freight agrees that the corrier is considering despring it. Appendixes of the Consider CL-14, which can corre up to 73,000 like of purioud but has a solutionly crusped cargo careloge, prompted Pleing Tiper to file the controversal tout with Cord Arroganters Found but full P Newborstablehed Missons Dukints service in Acceptable 24th link between the USSR and a foreign country. Schoduled tree for the II-11 tubescount

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the 16-paterupe feeler-terrelt, which is powered by the Technican Botto bubbonio engines delivering 1,085 cbg. The accept is dated to \* Air Fenner will haven albert Hammon Park Holds with Books 207 Eater. continental transports heritanine Aug. 25. There fishes needle will be seen ated on the soute via New York

\* United Ay Lanet has changed to this excede years on color, companying es its Booms 770s to cut down bleed as leakage, they principal bleed all requirements and engine had connectation. The modification is exacted to save the exercer \$50,000 researchy in fact costs.

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## Scott put the LIFEGUARD on the 707



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AVAISON WERE and SPACE TECHNOLOGY, February 12, 1562

### AFRONAUTICAL ENGINFERING



ARRESTEDING WHITWORTH AW 450 ARREST his provid sprile with French Europea Alberta, Baker make man is solved busine. Aristian Week Pilot Report:

## Argosy Combines Speed, Stability, Payload

1/10 Agents, workloads of Bottob Page

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## From INFINITE CONCEPTS

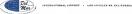
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# RECHARGEABLE BATTERIES



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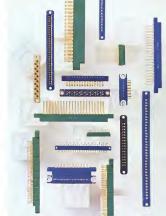
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## Cold-Finishing of Alloy Steel Bars: Turning and Polishing

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Soviet V-2 Helicopter Shown In Flight

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### TELEMETRY BY TELE-DYNAMICS



controlled oscillator

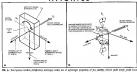
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## TELE-DYNAMICS

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### AVIONICS



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## New Gyro Technique Orients Satellite

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North American Aviation is at work in the fields of the future through these six divisions! Associate Intervalsant, Astonica, Columber, Lee Angeles, Sectorisyon, Spece & Information Systems.



B & P's role in the development of Aircraft, Satellite and Missile assemblies is certainly a fine example of our carabilities ... republities that have contributed and





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#### Matching Momentum

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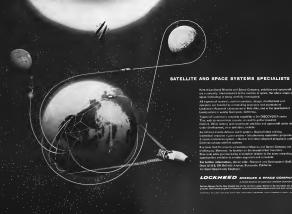




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#### SPACE TECHNOLOGY

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## Keeping a firm grip on the system

NTDS (Naval Tactical Data System) is the Navy's new tactical defense system in which Univace was a major contributor. Specifically. Univac designed the System and also desirred, developed, and produced the comouters and related peripheral equipments It finds represcible tyrests, calculates their course and appeal, evaluates other tactical information, and recommends courses of action . . . all in practically "seco" time so that effective defensive measures can be taker. It ties an entire took force together in a yest network of instant data processing communications . . . lets the task force commender control his tropendous firepower as if it were all on one ship.

NTDS represents two major advances. Its computer is the first military wal time commuter . AN/USQ/20 (Univac 1206) Military Real Time Constater). It correlates complex calculations so randily that tree lance has to be recoursed in reflicaths of a second. In addition, the Univac 1996 and all NTDS hardware is built to military environmental specifications (MIL-B-16400) so

as to operate with a high degree of mitobility under the most adverse shipboard conditions. Much of the spream of NTDS is the most of the comprehensive systems management program developed by Univac. This program coordinates all phases of research, design and development, and manufacturing . . . and includes a parallel program of reliability engineering to assure operational reliability, beminutes with the first delivery, that meets or



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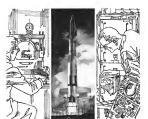
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